

ABSTRACT

The invention relates to a receiver for receiving a signal of a desired user, which signal may arrive at the receiver in different components along several different paths at several different delays. The receiver includes an antenna array, rake branches, and at least one search branch. At least one rake branch includes a plurality of beam formers, a plurality of correlators coupled to the inputs of the beam formers, a demodulator coupled to the outputs of the correlators, a code generator for generating codes required by the correlators, controls means, and calculation means. The calculation means are adapted to calculate and transmit to the control means, on the basis of the outputs of the correlators, information on how the code generator and the beam formers are to be controlled.